

**FIG. 1**  
**PRIOR ART**

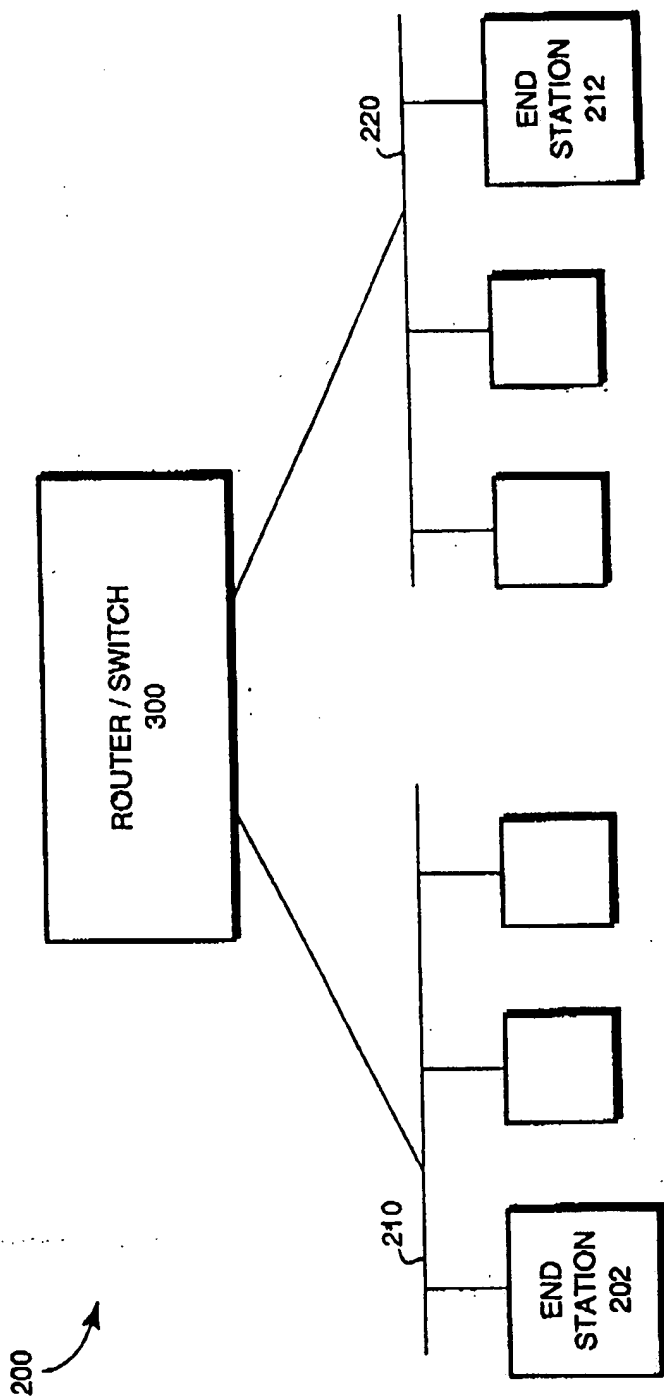


FIG. 2

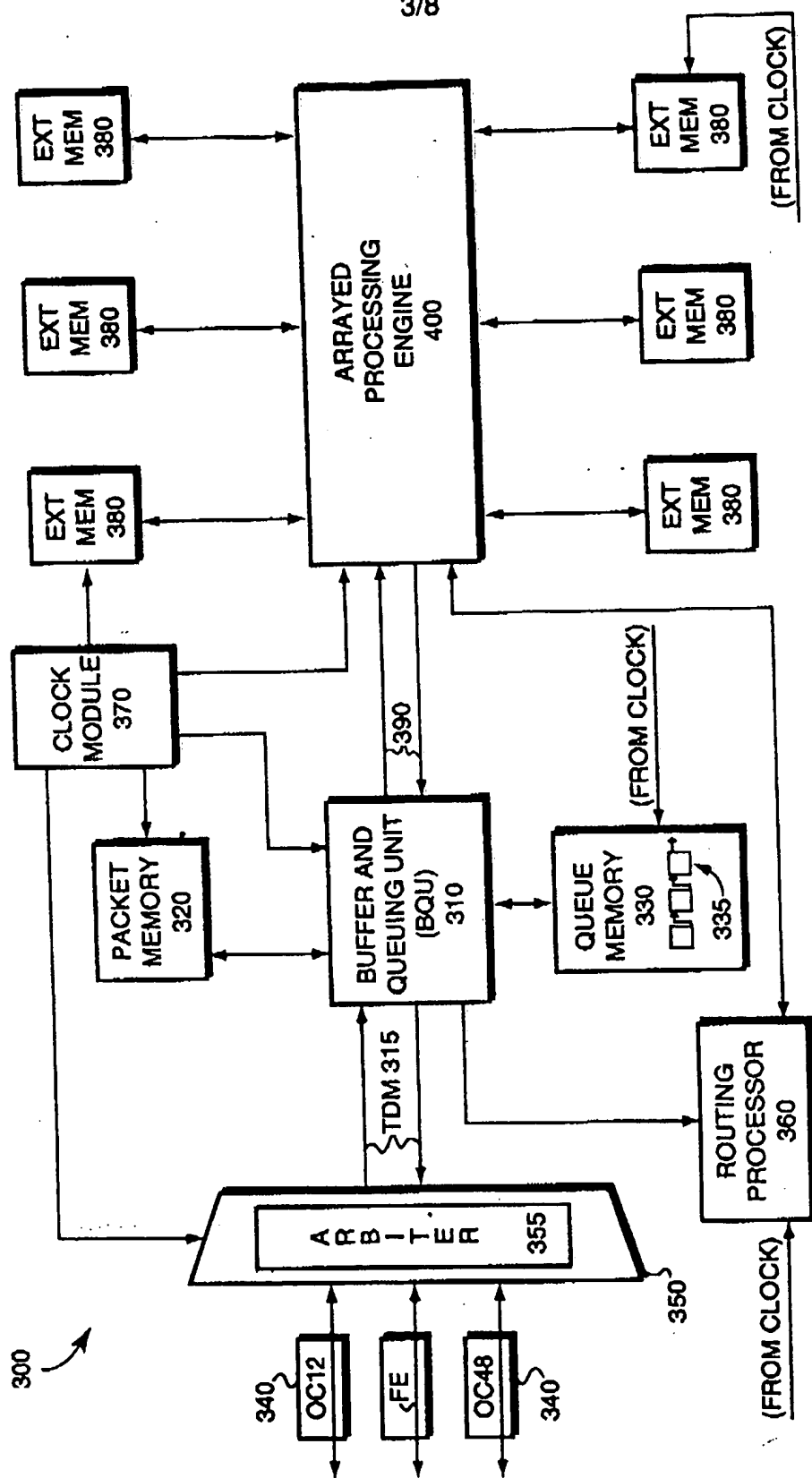


FIG. 3

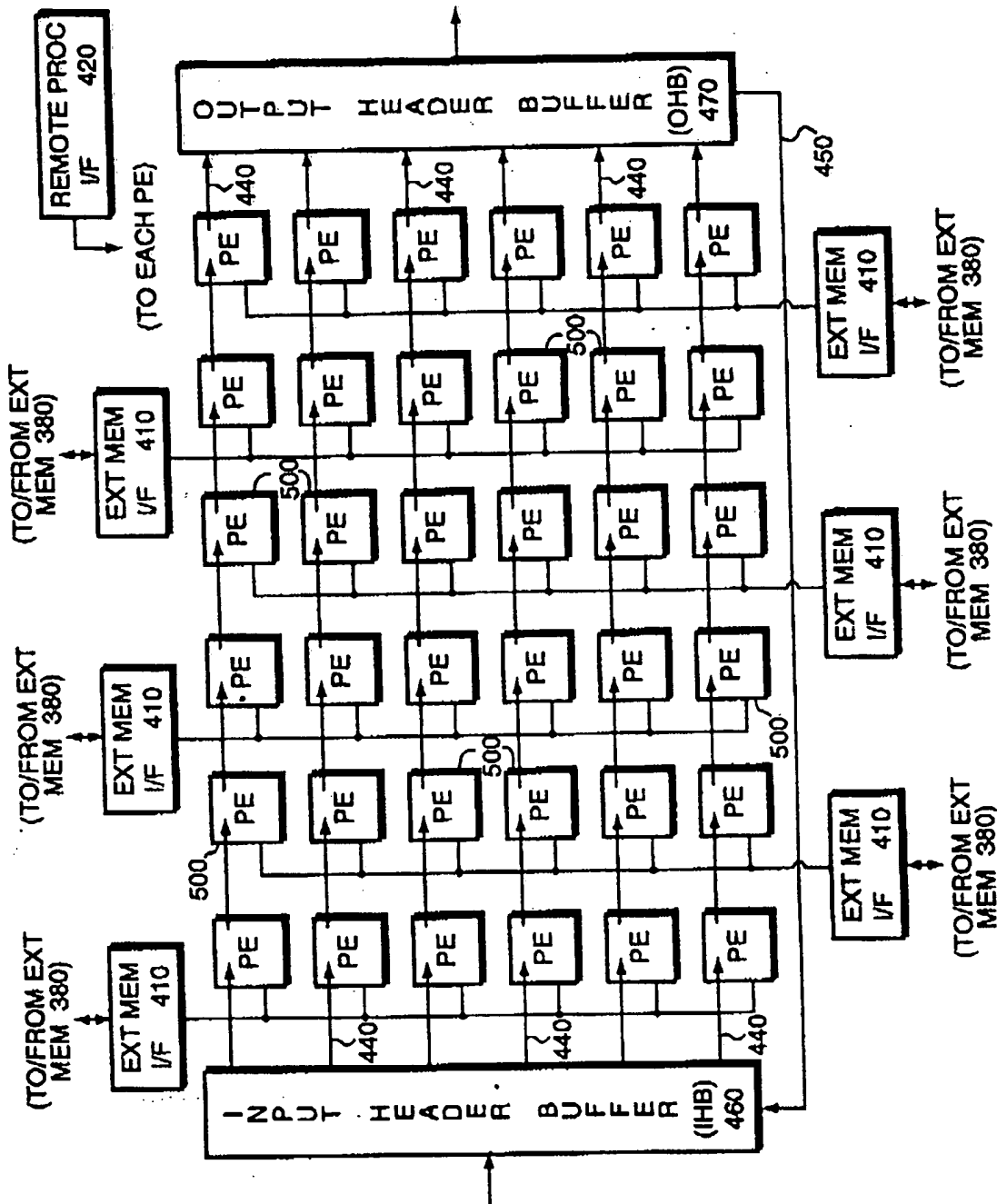


FIG. 4

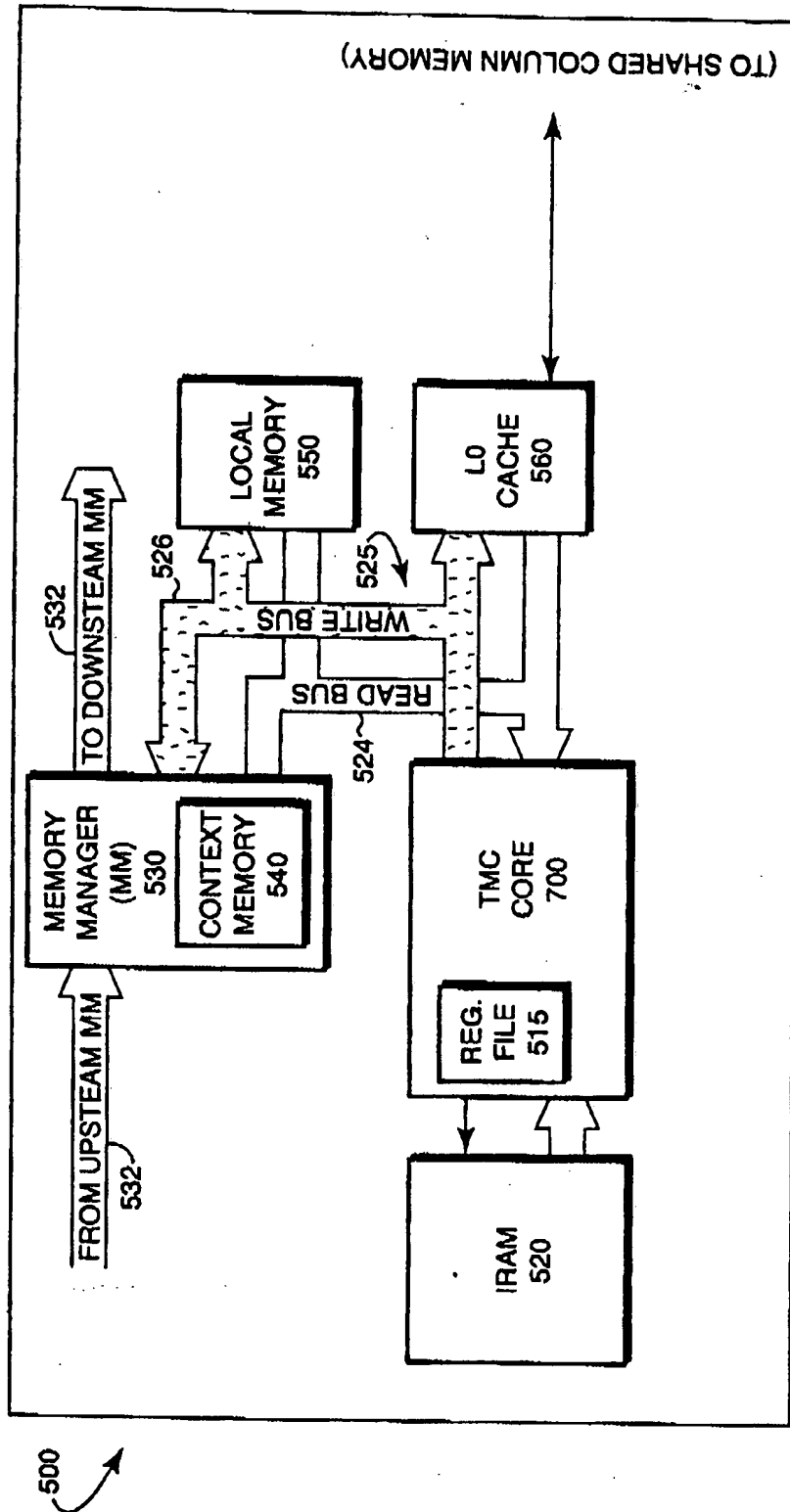


FIG. 5

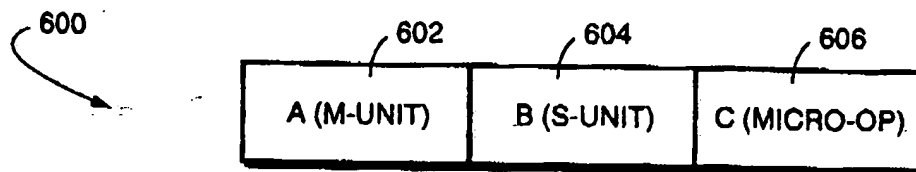


FIG. 6

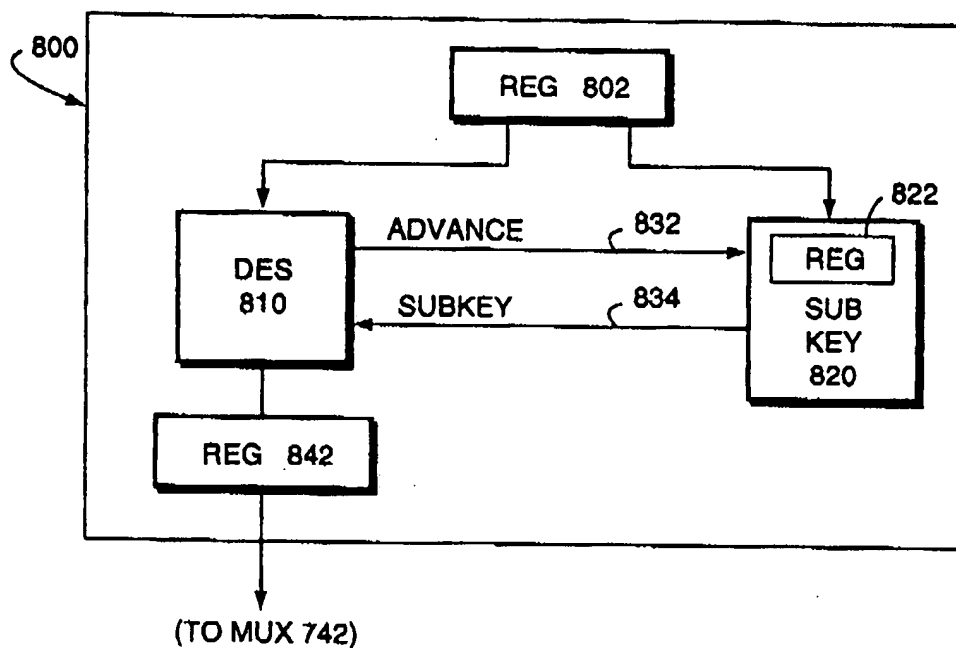


FIG. 8

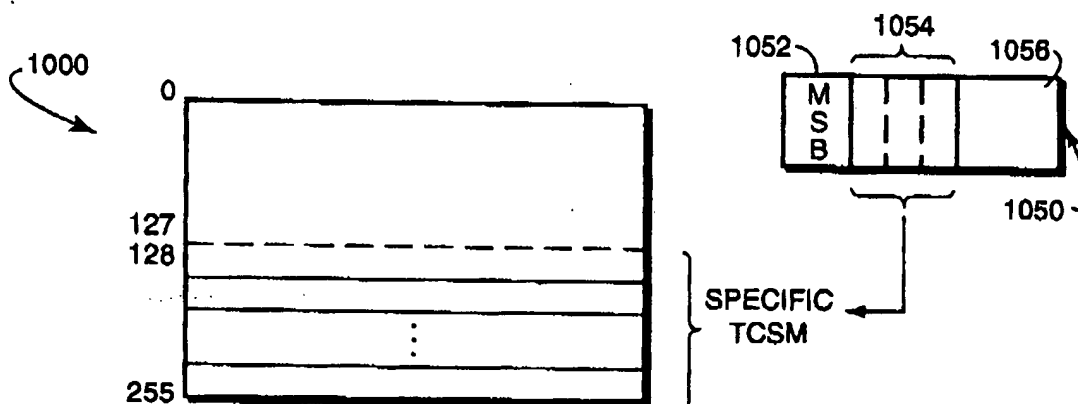


FIG. 10



**FIG. 7**



**INITIALIZE:**

910 - XDES ENCRYPT

**LOAD INITIAL KEY:**

920 ~ MOR  $r_0, r_0, \text{KEY}(r_0)$   
922

INIT KEY  
924

LOAD PLAINTEXT AND START DES:

930 ~ MOR rØ, rØ, PLAIN(rØ)  
(SINGLE DES FUNCTION)

DES

LOAD CIPHERTEXT:

910 ~ SPR, IAR, DES-RESULT

**WRITE CIPHERTEXT:**

950 ~ MOR CIPHER(rØ), rØ, rØ

TR

960 ~ MOR (rl), rØ, PLAINI(rØ)

DES

+

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